

State of Rhode Island Coastal Resources Management Council Oliver H. Stedman Government Center 4808 Tower Hill Road, Suite 3 Wakefield, RI 02879-1900

(401) 783-3370 Fax (401) 783-2069

# PUBLIC NOTICE

File Number: 2024-12-004

Date: March 26, 2025

This office has under consideration the application of:

# The Narragansett Electric Company 280 Melrose Street Providence, RI 02907

for a State of Rhode Island Assent to construct and maintain:

Replace/rebuild/reconfigure 1.9 miles of E183-3 and F184N-4/5 115kV Transmission Lines through Warren. CRMC portion of project extends from Massachusetts State line to Kickemuit Rd. The project will result in the permanent alteration of  $1,607ft^2$  of coastal wetland. Project requires a Special Exception to 650-RICR-20-00-1.2.2(C)(1)(c - d) and (C)(2)(a - b). In accordance with §1.3.1(L)(5),  $5,460ft^2$  of mitigation wetland will be created, exceeding the 2:1 replacement requirement.

Project Location:	Lines E183-3 and F184N-4/5
City/Town:	Warren
Plat/Lot:	Plat 11, Lots 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44 Plat 21, Lots 246, 54 Plat 9, Lot 18
Waterway:	Palmer River; Type 1 and Belchers Cove; Type 2

Plans of the proposed work can be requested at <u>Cstaff1@crmc.ri.gov</u>.

In accordance with the Administrative Procedures Act (Chapter 42-35 of the Rhode Island General Laws) you may request a hearing on this matter.

You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what law or laws, if any, would in their opinion be violated by the work proposed.

If you desire to protest, you must attend the scheduled hearing and give sworn testimony. A notice of the time and place of such hearing will be furnished you as soon as possible after receipt of your request for hearing. If you desire to request a hearing, to receive consideration, it should be in writing (with your correct mailing address, e-mail address and valid contact number) and be received at this office on or before <u>April 26, 2025</u>.

Please email your comments/hearing requests to: <u>cstaff1@crmc.ri.gov</u>; or mail via USPS to: Coastal Resources Management Council; O. S. Government Center, 4808 Tower Hill Road, Rm 116; Wakefield, RI 02879.

# **Plan Set**

Issued for: CRMC Category B Assent Date Issued: 11/15/2024 Revision Date: 2/5/2025

Sheet Index				
Number	Drawing Title	Latest Issue		
2	Notes	2/5/2025		
3	Index	2/5/2025		
4-12	Site Access and BMP Plan	2/5/2025		
13-16	Wetland Mitigation Plan	2/5/2025		
17-21	Details	2/5/2025		



# E183-3 and F184N-4/5 115kV Transmission Lines **Asset Condition Refurbishment Project**

# Bristol and Warren, Rhode Island



#### EXISTING CONDITIONS INFORMATION: REFERENCES:

1. WETLAND DELINEATION WAS PERFORMED BY VHB, PROVIDENCE OFFICE. STRUCTURE AND FLAG LOCATIONS WERE LOCATED BY A GLOBAL POSITIONINGSYSTEM (GPS) FIELD SURVEY CONDUCTED BY VHB IN SEPTEMBER AND OCTOBER 2023. THIS SURVEY CONFORMS TO A CLASS IV STANDARD AS DEFINED IN THE PROCEDURAL AND TECHNICAL STANDARDS FOR PERFORMING LAND SURVEYING IN THE STATE OF RHODE ISLAND.

2. THE NOAA DATA ACCESS VIEWER WAS UTILIZED TO EXTRACT CONTOUR LINES AT 2-FOOT AND 10-FOOT INTERVALS, AS WELL AS FOR MEAN HIGH WATER AT 2.12 FEET AND HIGHEST ASTRONOMICAL TIDE AT 3.78 FEET, FROM THE 2022 USGS LIDAR RHODE ISLAND STATEWIDE DATASET.

3. AERIAL IMAGERY WAS ACQUIRED FROM THE STATEWIDE, TRUE COLOR, 3-INCH SPATIAL RESOLUTION AERIAL PHOTOGRAPHS OF RHODE ISLAND. IMAGERY WAS COLLECTED MARCH 2024.

W	etland ID	Wetland Type	Temporary Construction Matting (SF)	Wetland ID	Wetland Type	Temporary Construction Matting (SF)
W	etland 2	Coastal Wetland	459,293	Stormwater Management Basin 5.5		255
We	tland 2/3	Coastal Wetland	3,063	Stonnwater Management Basin 55A		358
We	Land 2/5	Coastal Wetland	11,909	Wetland 2/7	Coastal Wetland	54.310

#### **RINHP/WLT PROTECTION NOTES:**

### 1. TURTLES:

PRE-CONSTRUCTION CONTRACTOR TRAINING BY A QUALIFIED BIOLOGIST FOR WORK WITHIN HABITAT AREAS.
 INSTALL CONSTRUCTION MATTING IN MARSH HABITAT AREAS DURING THE ACTIVE SEASON (APRIL 15 - OCTOBER 15) WITH MONITOR /AVOID PLACING CONSTRUCTION MATS IN MARSH HABITAT AREAS DURING ANIMAL DORMANCY (OCTOBER 16 - APRIL 14) WHENEVER POSSIBLE.
 AVOID PLACING MATS IN TURTLE WINTER HABITAT. BRIDGE OVER AREA OF OPEN WATER, TIDAL CREEKS AND MOSQUITO DITCHES.
 INSTALL EXCLUSIONARY FENCING AROUND UPLAND NESTING HABITAT BEFORE MAY 15 TO ISOLATE WORK AREAS LOCATED WITHIN UPLAND NESTING HABITAT. NESTING HABITAT IDENTIFIED DURING THE FIELD DELINEATION AND ASSESSMENT INCLUDED THE EXPOSED SOIL AROUND THE OUTSIDE OF THE WARREN SUBSTATION FENCE.

MAINTAIN TURTLE EXCLUSION FENCING DURING THE NESTING PERIOD FROM MAY15 - JULY15.

•EXCAVATIONS SHOULD BE COMPLETED WITHIN ONE DAY IF POSSIBLE. IF EXCAVATIONS MUST REMAIN OPEN LONGER THAN ONE DAY, THEY SHOULD BE COVERED FLUSH TO THE GROUND TO PREVENT TURTLES FROM FALLING OR GETTING TRAPPED. •TURTLES OBSERVED WITHIN WORK AREAS SHOULD BE MOVED AWAY FROM CONSTRUCTION ACTIVITIES BY A TRAINED TURTLE MONITOR.

REPORT OBSERVATIONS TO RIE ENVIRONMENTAL.

#### 2. PLANTS:

PRE-CONSTRUCTION CONTRACTOR TRAINING BY A QUALIFIED BIOLOGIST FOR WORK WITHIN HABITAT AREAS.

•AVOID INTRODUCTION AND SPREAD OF INVASIVE PLANTS TO THE GREATEST EXTENT POSSIBLE.

•CONDUCT VEGETATION MANAGEMENT ACTIVITIES BETWEEN NOVEMBER 1 AND APRIL 15 TO THE EXTENT PRACTICAL AND DO NOT CHIP, OR PILE SLASH WITHIN WETLANDS, IDENTIFIED RARE SPECIES HABITAT, OR WITHIN 50 FEET OF DELINEATED OCCURRENCES OR KNOWN ELEMENT OCCURRENCE RECORDS OF RARE SPECIES. IF VEGETATION MANAGEMENT ACTIVITIES MUST OCCUR DURING THE GROWING SEASON, WORK MUST BE PRECEDED BY A BOTANICAL SURVEY AND DELINEATION TO IDENTIFY VEGETATED AREAS TO AVOID OR WHERE VEGETATION MANAGEMENT MUST BE COMPLETED WITH HAND TOOLS.

•BOTANICAL SURVEY AND DELINEATION BY QUALIFIED BOTANIST DURING APPROPRIATE PLANT IDENTIFICATION PERIOD. •AVOID DELINEATED OCCURRENCES BY SHIFTING WORK AREAS. IF AVOIDANCE OF DIRECT IMPACTS IS NOT POSSIBLE, CONSULT BOTANIST TO IDENTIFY SITE-SPECIFIC PROTECTION AND IMPACT MINIMIZATION MEASURES (E.G., MAT BRIDGES, TRANSPLANTING). •REPORT OBSERVATIONS TO RIE ENVIRONMENTAL.

#### 3. BIRDS:

PRE-CONSTRUCTION CONTRACTOR TRAINING BY A QUALIFIED BIOLOGIST FOR WORK WITHIN HABITAT AREAS.
 AVOID WORK IN SALT MARSHES DURING BREEDING/FLEDGING SEASON (MAY 15 - AUGUST 15). IF WORK MUST BE CONDUCTED IN SALT MARSHES DURING BREEDING/FLEDGING SEASON, SURVEYS SHOULD BE CONDUCTED BY A QUALIFIED BIOLOGIST TO IDENTIFY ANY NESTS PRESENT IN WORK AREAS AND ALONG ACCESS ROUTES.
 IF NESTS ARE PRESENT ALONG PROPOSED ACCESS ROUTES, ALTERNATIVE ACCESS ROUTES SHOULD BE IDENTIFIED.

IF NEST ARE PRESENT ALONG PROPOSED ACCESS ROUTES, ALTERNATIVE ACCESS ROUTES SHOULD BE IDENTIFIED. IF NEST ARE PRESENT WITHIN PROPOSED WORK AREAS, WORK SHOULD BE DELAYED UNTIL HATCHLINGS HAVE FLEDGED.

#### EROSION AND SEDIMENT CONTROL NOTES:

1. PRIOR TO STARTING ANY SITE WORK, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.

2. A SOIL EROSION AND SEDIMENTATION CONTROL PLAN HAS BEEN DESIGNED TO PROTECT ON-SITE WETLANDS AND WATERCOURSES AND OFF-SITE AREAS DURING AND AFTER CONSTRUCTION.

3. IN AREAS WHERE HIGH RUNOFF VELOCITIES OR HIGH SEDIMENT LOADS ARE EXPECTED, TWO LINES OF COMPOST FILTER SOCK (CFS) WILL BE INSTALLED BACK TO BACK.

4. TYPICAL CRUSHED-STONE CONSTRUCTION ENTRANCE/EXITS WILL BE CONSTRUCTED AT EACH STREET ACCESS POINT WITHIN THE PROJECT AREA.

5. ONCE WORK IS COMPLETE, FINAL SURFACE TREATMENT CONSISTING OF STRAW OR CELLULOSE MULCH WILL BE APPLIED TO STABILIZE THE DISTURBED AREAS.ANY SOIL DISTURBANCE ASSOCIATED WITH EQUIPMENT ACCESS TO STRUCTURES OR STRUCTURE EXCAVATIONS SHOULD BE MULCHED WITH STRAW ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED.

6. SEDIMENT SHALL BE REMOVED FROM BEHIND BARRIERS IF GREATER THAN 6 INCHES DEEP OR AS NEEDED.

7. DAMAGED OR DETERIORATED EROSION/SEDIMENTATION CONTROL ITEMS WILL BE REPAIRED IMMEDIATELY AFTER IDENTIFICATION.

8. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ALL DISTURBED EARTH HAS BEEN SECURELY STABILIZED. ONCE THE SITE IS STABILIZED, THE STRAW BALES WILL BE REMOVED OR BROKEN UP AND SPREAD AS MULCH. ALL OTHER CONTROLS SHALL BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.

9. IN THE EVENT OF A FUEL SPILL OR EQUIPMENT MALFUNCTION RESULTING IN A RELEASE OF HAZARDOUS MATERIAL, ALL WORK WILL BE STOPPED IN THIS AREA UNTIL THE RELEASE/SPILL IS CLEANED UP.

10. EQUIPMENT USED FOR CONSTRUCTION WILL BE PROPERLY MAINTAINED AND OPERATED TO REDUCE THE CHANCES OF SPILL OCCURRENCES OF PETROLEUM PRODUCTS. REFUELING OF EQUIPMENT WILL BE REQUIRED TO CARRY SPILL CONTAINMENT AND PREVENTION DEVICES (I.E., ABSORBENT PADS, CLEAN UP RAGS, FIVE GALLON CONTAINERS, ABSORBENT MATERIAL, ETC.) AT ALL TIMES. IN ADDITION, MAINTENANCE EQUIPMENT AND REPLACEMENT PARTS FOR CONSTRUCTION EQUIPMENT WILL BE ON HAND TO REPAIR FAILURES AND STOP A SPILL IN THE EVENT OF EQUIPMENT MALFUNCTION.

11. ANY HAZARDOUS WASTE SPILLS SHALL BE CLEANED UP IMMEDIATELY, AND IF THE SPILL AMOUNT IS EQUAL TO OR EXCEEDS THE EPA REPORTABLE QUANTITY (RQ) FOR THAT SUBSTANCE IN ACCORDANCE WITH 40 CFR PARTS 1010, 117, OR 302, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE NATIONAL RESPONSE CENTER AT 1-800-424-8802. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR SUBMITTING IN WRITING A DESCRIPTION OF THE RELEASE TO THE EPA REGIONAL OFFICE AND RIDEM PROVIDING THE DATE AND CIRCUMSTANCES OF THE RELEASE AND THE STEPS TO BE TAKEN TO PREVENT ANOTHER RELEASE. DIRECTIONS FOR CLEANING UP SPILLS SHALL BE CLEARLY POSTED AT A DESIGNATED ON-SITE LOCATION, AND CONSTRUCTION PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND LOCATION OF CLEANUP SUPPLIES. PERSONNEL SHALL WEAR APPROPRIATE PROTECTIVE GEAR AND HAVE PROPER TRAINING TO PREVENT INJURY FROM CONTACT WITH ANY HAZARDOUS SUBSTANCES.

12. NO GRADE CHANGES ARE PROPOSED.

#### GERERAL NOTES

1. STONE WALL DISMANTLING AND RE-BUILDING PROCEDURE REMOVAL OR ALTERATION OF STONE WALLS SHALL BE AVOIDED, WHENEVER POSSIBLE. STONE WALLS REMOVED OR BREACHED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REBUILT. THE REMOVAL AND REBUILDING OF STONE WALLS REQUIRES APPROVAL FROM THE RHODE ISLAND ENERGY ENVIRONMENTAL SCIENTIST AND PROPERTY LEGAL, MAY REQUIRE SEVERAL WEEKS LEAD TIME FOR COORDINATION AND SHALL BE COMPLETED IN ACCORDANCE WITH EG303 SECTION 9.0.

E183-3 and F184N-4/5 115kV Tran Asset Condition Refurbishme
Notes Bristol and Warren, RI
Page 2 of 21
Source: RIGIS RI Energy VHB











Path: \\vhb.com\gis\proj\Providence\73456.01\Project\F184 E183 Structure Replacement 20240911 KI.aprx



















6

9

NOTES:

18"-24"/ 3 Gallon

18"-24"/ 3 Gallon

Limit of Disturbance/ Temporary Compost Filter Sock

Planting Schedule					
Trees	Scientific Name		Common Name	<u>Height</u>	Quantity
Ns	Nyssa sylvatica	$\odot$	Black tupelo	6'	6
Ar	Acer rubrum	€	Red Maple	6'	3
				Approx.	
<u>Shrubs</u>	Scientific Name		Common Name	Height / Pot Size	<u>Quantity</u>
Vd	Viburnum dentatum	畿	Arrowwood viburnum	18"-24"/ 3 Gallon	6

Silky dogwood

Arress

Proposed Contour

- Vaccinium corymbosum 💮 Highbush blueberry Vc Ca Cornus amomum
- Chain Link Fence
- Edge of Existing Fill
- Mean High Water (MHW)=2.12'
- High Astronomical Tide (HAT)=3.78'
- CRMC 50' Set Back
- Site Property Line
- ---- 2 Foot Contours (2011 Lidar)

## **RESTORATION PLANTING REQUIREMENTS**

- A. Immediately Prior to the commencement of restoration involving soil removal, install a continuous uninterrupted line of staked compost filter sock (CFS)/ Silt Soxx between the undisturbed wetland and the edge of existing fill material to be removed.
- B. Remove all fill in the area noted above down to proposed grade. This should be apparent when the layer of peat or a darker loam under this fill is encountered. Where no peat is found the area will be over excavated 12 inches then supplemented with 12 inches of medium to fine sand mixed with organics. All fill material which is removed must be deposited outside any and all wetlands.
- C. Proposed grades in salt marsh must be stabilized with salt marsh species plugs planted 2-3 feet on center. Proposed grades in contiguous freshwater wetland must be stabilized with a native New England wetland conservation seed mix and by mulching all disturbed area with straw.
- D. Plant the contiguous freshwater wetland restoration area with trees and shrubs per the table noted below. Balled and burlapped or transplanted tree species

1. The entire project area is within Coastal SFHA AE Zone (BFE 13).

- 2. The entire project area is within the 200-ft Contiguous Area **Asset Condition Refurbishment Project** Approximate Salt Marsh Restoration Area Approximate Contiguous Freshwater Wetland Restoration Area **Restoration Planting Plan** Warren, RI Page 15 of 21

# NEW ENGLAND WETMIX TO BE USED WITHIN CONTIGUOUS FRESHWATER

### WETLAND RESTORATION AREA.

From New England Wetland Plants, Inc. Amherst, Massachusetts

Seeding: Always apply on clean bare soil. The wetland seeds in this mix can be hand sown, used with a hand-held spreader, or hydro-seeded on large or hard to reach sites, as long as there is no permanent snow cover. Lightly rake to ensure proper soil-seed contact. Seeding can take place on frozen soil, as the freezing, thawing weather of late fall and late winter will work the seed into the soil. If spring conditions are drier than usual, watering may be required. If planting during the summer months, watering may be required for at least 2-3 weeks after planting to ensure germination. A non-invasive annual such as Winter Rye may be added to the mix to obtain soil stabilization cover in the fall. Do not add Annual Ryegrass, Kentucky Bluegrass or Perennial Ryegrass as these species are very aggressive and they will inhibit the growth of the wetland seeds. A light mulch of clean, weed free straw is recommended.

Note: Seeds will not germinate under inundated conditions. Not all species will grow in all wetland situations.

### Application Rate: 1 LB/2500 SQ. FT.

Typical Species: Fox Sedge (Carex vulpinoidea), Sallow Sedge (Carex lurida), Broom Sedge (Carex scoparia), Sensitive Fern (Onoclea sensibilis), Blue Vervain (Verbena hastata), Hop Sedge (Carex lupulina), Dark-Green Bulrush (Scirpus atrovirens), Nodding Bur-Marigold (Bidens cernua), Bristly Sedge (Carex comosa), Fringed Sedge (Carex crinita), Tall Mannagrass (Glyceria grandis), Wool-Grass (Scirpus cyperinus), Soft Rush (Juncus effusus), Spotted Joe-Pye-Weed (Eutrochium maculatum), Boneset (Eupatorium perfoliatum), American Water-Plantain (Alisma subcordatum), New England Aster (Symphyotrichum novae-angliae), Rattlesnake Mannagrass (Glyceria canadensis), Purple-Stem Aster (Symphyotrichum puniceum), Soft-Stemmed Bulrush (Schoenoplectus tabernaemontani), Blueflag (Iris versicolor), Swamp Milkweed (Asclepias incarnata), and Allegheny Monkey-Flower (Mimulus ringens).

must be planted in an interspersed fashion in a zig-zag line, 10 feet on center. Trees shall be a minimum of 6 feet tall after planting. Shrubs shall be balled and burlapped or transplanted material and be a minimum of 4 feet tall after planting throughout the restored area. All shrubs shall be placed 10 feet on center in the restored area defined above.

E. If any or all of the required plantings fail to survive at least one full growing season from the time they have been planted, they shall be replaced until such time that survival is maintained over one full growing season.

F. All disturbed areas in the 200-foot Contiguous Area must be allowed to revegetate to a natural wild state.

G. Upon stabilization of all disturbed areas, all erosion and sedimentation controls must be removed from the salt marsh restoration area and contiguous freshwater wetland restoration area and the 200-foot Contiguous Area prior to the removal of the controls, all accumulated sediment must be removed to a suitable upland area.

H. Allow the restored and replanted area to revert to a natural wild state.

# E183-3 and F184N-4/5 115kV Transmission Lines

S **Rhode Island Energy**"

Date: 11/01/2024



NOTE:

FOR BROADLEAF FLOOD PLAIN AND HIGH MARSH, SEED AREA IN ADDITION TO INSTALLING PLUGS.





HARDWOOD STAKES

Source:	N.T.S.	LD	REV	Source: VHB	N.T.S.
E183-3 and F184N-4/5 115k					
Asset Condition Refur					
Restoration Planti Warren, I					
Page 16 of					



Detail #1



Rhode Islo Subject: Access, N Best Man
APPROVED B PRINTED COI ENVIRONMEN
APPROVED B PRINTED COL ENVIRONMEN SS USE

Detail #2





















Detail #10



Detail #11

E183-3 and F184N-4/5 115kV Transmission Lines Asset Condition Refurbishment Project Details Bristol and Warren, RI Page 20 of 21 Source: RIGIS, National Grid, VHB





© 2022 The Narragansett Electric Company. All rights reserved. 24 of 59
Business Use

Detail #13



Detail #14



